Installation Instructions

Water Filter / Bypass System with Contactor

Part #WB125C without Filter
Part #WFB125C with Filter
Part #WB150C without Filter
Part #WFB150C with Filter

Description:

Apollo Dental Products' Water Filter/Bypass System with Contactor provides for safe water supply shut-off with 24 volt remote control switching, conveniently located inside the dental office (A 24 volt Remote Control Panel is required). Units equipped with the filter element not only provide convenient water shut-off to the operatories, but also filter the water by removing particulated matter as small as 30 micron to prevent costly damage to dental equipment. Quick open/close ball valves allow for solenoid valve bypass when filter/servicing is required.

Installation Warnings:

- **Do Not Install On Hot Water Lines**.
- **Do Not** install on line pressures above 125 PSI.
- **Protect** from freezing.
- **Do Not** install in direct sunlight.
- **Do Not** use torch near plastic housing**.**

Installation:

Note: A certified plumber should be employed to install the Filter/Bypass System according to local codes. Plumber is to supply all connecting fittings.

1. Locate a convenient water and electrical supply line run for Filter/Bypass installation.
2. Close-off main water supply line for installation.
3. Install Filter/Bypass assembly in water line such that the direction of the water flow through the solenoid is properly maintained. Union connectors should be used.
4. Securely tighten both end union connections, open main water supply valve, energize 115 volt electrical solenoid, and repair leaks if necessary.
5. Connect **red**, **white**, and **blue** low voltage wires to corresponding wires from ADP Master Control Panel water switch (See Figure 1 on page 2).
6. Plug relay control box line cord into 115 volt outlet.
7. Set ball valves for **Operation Mode**. For solenoid control; open side inlet and outlet valves, close top bypass valve. For **Bypass Mode** of solenoid/filter assembly; close side inlet/outlet valves and open top bypass valve (See Figure 2 on page 2).

Maintenance:

The only required maintenance of the Water Filter/Bypass System is the **replacement of the filter element at six month intervals** (although the frequency of filter replacement may vary depending on the water quality in your area).

To replace the filter element simply put the system into the bypass mode. Using the filter wrench provided, unscrew the bottom of the filter (bowl) to access the element. Replace the element and **be careful to replace the seal O-Ring upon reassembly.** Return the system to the operation mode. Be sure that the filter bowl seals to avoid any leaks.

REPLACEMENT PARTS LIST

Description	Part Number WB125C / WFB125C	Part Number WB150C / WFB150C
Water Filter Element	PFM85241	PFM85241
Water Filter O-Ring	MRP70951	MRP70951

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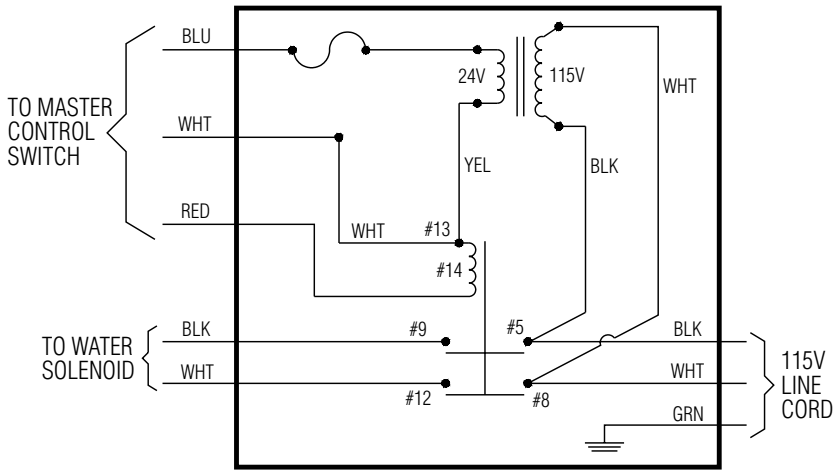

Figure 1 - WIRING SCHEMATIC

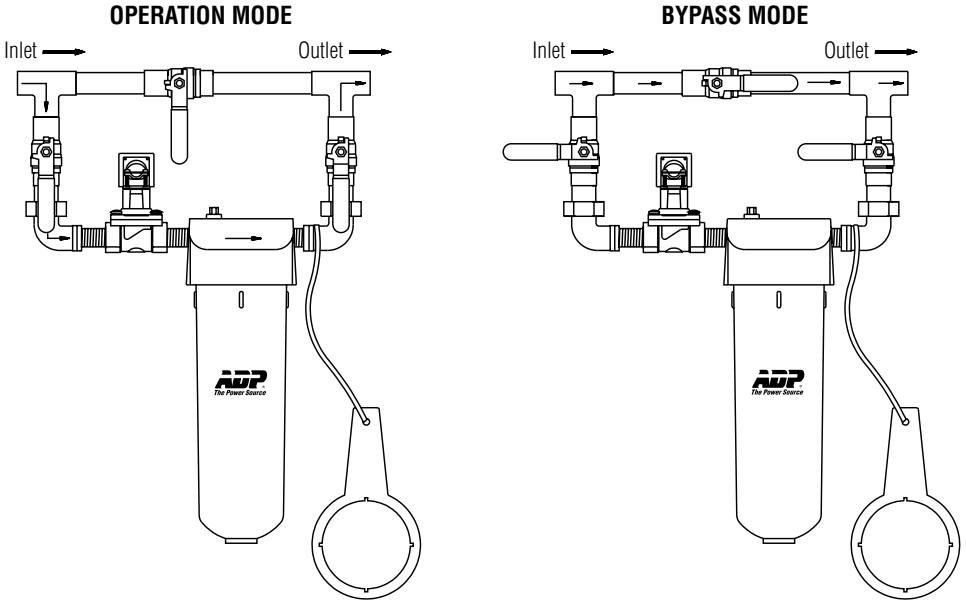

Figure 2 - FLOW SCHEMATIC WITH FILTER

Warranty Information: 90 Days

All ADP accessories are thoroughly inspected and tested in accordance with rigid specifications and standards. Our accessories are guaranteed against any defective material and workmanship from the date of shipment; provided that the installation, operation, and maintenance is done in accordance with ADP procedures as outlined in our Installation and Maintenance Guides. Warranty cards must be returned to ADP within ten days of installation to effect warranty. No other warranties or guarantees, expressed or implied are made.

ADP's obligation under the warranty is to provide parts for the repair or, at its option, to provide the replacement product (excluding labor). All special, incidental and/or consequential damages are excluded. We will not issue credit for accessories without first attempting to correct the problem in the field. Written notice of breach of warranty must be given to ADP within the warranty period. The warranty does not cove damage resulting form improper installation or maintenance, accident or misuse. The warranty does not cover damage resulting from the use of cleaning, disinfecting or sterilizing chemicals and processes. The warranty does not cover vacuum failures due to hard water deposits. Failure to follow instructions provided in ADP's Installation and Maintenance Guides may void the warranty.